1970nm Bandpass Filter for Pulse Power

FEATURES

- High Isolation
- Low Insertion Loss
- Various Bandwidth
- High Reliability and Stability

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Research Labs

SPECIFICATIONS

Parameters		Unit	Value
Center Wavelength		nm	1970
Min. Pass Band Width @ 0.5dB		nm	6.0
Insertion Loss over Pass Band Wavelength		dB	≤1.4
Stop Band @ 25dB		nm	1900-1960 & 1980-2050
ASE Direction		-	F: Forward, B: Backward, T: Two-way
Configuration		-	D: 2-port, Y: 3-port, X: 4-port
Optical Return Loss		dB	≥50
Polarization Dependent Loss		dB	≤0.2
Fiber Type	Input&Output	-	SMF-28 Fiber or SM1950 Fiber (V)
			10/130um DC Fiber (O) or 25/250um DC Fiber (R)
	ASE Guide Out (Y/X Type)	-	Same Fiber or MM Fiber
Fiber Tensile Load		N	5
Max. Average Optical Power (ASE+Signal)		W	0.3, 0.5, 1, 2, 3, 5, 10
Max. Peak Power for pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20
Max. ASE Average Power		W	0.3, 0.5, 1, 2, 3, 4, 5, 10
Operating Temperature		°C	0~50
Storage Temperature		°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~8W)
	Metal Box	mm	(L)90x(W)12x(H)10 (>8W); (L)120x(W)12x(H)10 (≤8W)

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

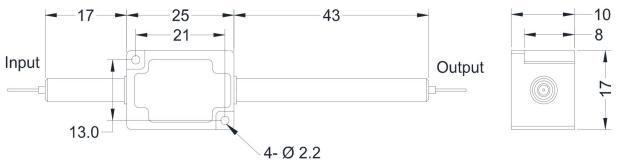
2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.

3. Suggest to use Y/X type or H Box if blocked optical power is ≥1W.

4. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

5. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

PACKAGE H (FOR HIGH ASE POWER)



ORDERING INFORMATION (PN)

FFBP-1970-NN(C) (C) (C) - H NN P NN -(NN) -(C) (C) C NN -CC/CCC

Bandwidth	ASE Type	Fwd ASE Fiber	Bwd ASE Fiber	Average Power	Peak Power	ASE Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
60=6nm	B=Backward	Y=Same Fiber	Y=Same Fiber	03=300mW	01=100W	1= 1W	M=Metal Box	V=SM1950 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	T=Two-way	A=105/125um Fiber	A=105/125um Fiber	1= 1W	1= 1kW	5= 5W	H=H Box	O=10/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	Blank for Forward	N=None	5=50/125um Fiber	5= 5W	10= 10kW	10=10W	Blank for SST	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		Blank for D Type	Blank for None or D Type	10=10W	20=20kW	Blank for300mW		Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

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RoHS Compliant